What is claimed is:

1. A moving handrail for a passenger conveyor including a linear belt of which two end portions are connected forming a loop;

said linear belt being composed of:

a single-layer or multilayer of thermoplastic elastomer of C-shape in cross section;

metallic and web-shaped metal stretch inhibitors disposed along a longitudinal direction of said thermoplastic elastomer; and

base members coupled inside of said thermoplastic elastomer; said thermoplastic elastomer, metal stretch inhibitor and base member being integrally molded;

wherein, at said connection portion forming a loop, a splice junction between said metal stretch inhibitors and a joint where the base members are connected together at both end portions with the use of an auxiliary backing are disposed so as not to overlap in a direction of thickness of the moving handrail; and said metal stretch inhibitors having been spliced are enclosed with a thermoplastic elastomer.

2. The moving handrail for a passenger conveyor according to claim 1, wherein both end portions of said metal stretch inhibitors of said connection portion are overlapped and spliced together so as to sandwich a buffer layer composed of both or either one of a thermoplastic resin sheet and a thermosetting rein sheet, otherwise via a buffer layer directly applied with a liquid resin, and said metal stretch inhibitors having been spliced are enclosed with a thermoplastic elastomer.

3. The moving handrail for a passenger conveyor according to claim 1, wherein said linear belt is composed of an inner layer thermoplastic elastomer of C-shape in cross section and an outer layer thermoplastic elastomer of an elastic modulus different from that of said inner layer thermoplastic elastomer; and said connection portion forming a loop comprises a butt joint where said inner layer thermoplastic elastomer is abutting at both ends thereof that are formed into a straight line inclined at an angle of more than 0° to less than 90° with respect to a longitudinal direction, or into a curved line.

4. The moving handrail for a passenger conveyor according to claim 1, wherein said linear belt is composed of an inner layer thermoplastic elastomer of C-shape in cross section and an outer layer thermoplastic elastomer of an elastic modulus different from that of said inner layer thermoplastic elastomer; and there is provided a gap of not less than 1 mm at a butt joint between the ends of said inner layer thermoplastic elastomer.

5. A moving handrail for a passenger conveyor including a linear belt of which two end portions are connected forming a loop;

said linear belt being composed of: a single-layer or multilayer of thermoplastic elastomer of C-shape in cross section;

metallic and web-shaped metal stretch inhibitors disposed along a longitudinal direction of the thermoplastic

elastomer; and

base members coupled inside of said thermoplastic elastomer; said thermoplastic elastomer, metal stretch inhibitor and base member being integrally molded;

wherein said connection portion of said moving handrail for a passenger conveyor comprises: a splice junction between said metal stretch inhibitors; and a joint where both ends of the base member are formed into a straight line inclined at an angle of more than 0° to less than 90° with respect to a longitudinal direction or into a curved line and connected together with the use of an auxiliary backing overlapped therewith in the same overlapping width; and

said splice junction between the metal stretch inhibitors is covered with the thermoplastic elastomer.

6. The moving handrail for a passenger conveyor according to claim 5, wherein both end portions of said metal stretch inhibitors of said connection portion are overlapped and spliced together so as to sandwich a buffer layer composed of both or either one of a thermoplastic resin sheet and a thermosetting rein sheet, otherwise via a buffer layer directly applied with a liquid resin, and said metal stretch inhibitors having been spliced are enclosed with a thermoplastic elastomer.

7. A moving handrail for a passenger conveyor including a linear belt of which two end portions are connected forming a loop;

said linear belt being composed of:

a single-layer or multilayer of thermoplastic elastomer

of C-shape in cross section;

metallic and web-shaped metal stretch inhibitors disposed along a longitudinal direction of the thermoplastic elastomer; and

base members coupled inside of said thermoplastic elastomer; said thermoplastic elastomer, metal stretch inhibitor and base member being integrally molded;

wherein said connection portion of said moving handrail for a passenger conveyor comprises: a splice junction where said metal stretch inhibitors are overlapped and spliced so that both end portions having been formed into a straight line inclined at an angle of more than 0° to less than 90° with respect to a longitudinal direction or into a curved line may be overlapped in the same width; and a joint where the base members at both end portions are connected together with the use of an auxiliary backing; and

said splice junction between the metal stretch inhibitors is covered with the thermoplastic elastomer.

8. The moving handrail for a passenger conveyor according to claim 7, wherein both end portions of said metal stretch inhibitors of said connection portion are overlapped and spliced together so as to sandwich a buffer layer composed of both or either one of a thermoplastic resin sheet and a thermosetting rein sheet, otherwise via a buffer layer directly applied with a liquid resin, and said metal stretch inhibitors having been spliced are enclosed with a thermoplastic elastomer.